



PATENT

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Marcia Wallenfels  
Name

Marcia Wallenfels  
Signature

11/7/03  
Date of Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Chris Macris  
Serial No : 09/927,276  
Filed : August 10, 2001  
For : HEAT DISSIPATING IC DEVICES (CIP)

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AMENDMENT

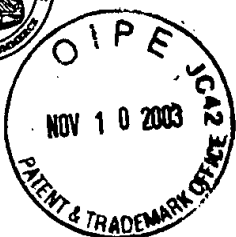
Dear Sir:

Please amend the above-identified application as follows:

In the Claims:

Claim 1 (original) A heat dissipating IC device comprising:  
at least one IC die comprising a semiconductor substrate including at least one circuitry layer with a hot region on at least one substrate face, a backside and a perimeter;  
a doped region diffused within the semiconductor substrate backside thereby creating a depletion layer between the substrate and doped region; and  
a voltage connected to the doped region, whereby the charge carrier flow, through the doped region of the substrate, travels in a direction from the hot region on the semiconductor substrate face outward toward the perimeter of the substrate face.

Claim 2 (original) The device in claim 1 wherein an electric via connects a portion of the circuitry layer with the doped region within the semiconductor substrate in order to provide electrical power.



Paper No.

# Notice of Non-Compliant Amendment (37 CFR 1.121)

The amendment document filed on 8-11-03 is considered non-compliant because it has failed to meet the requirements of 37 CFR 1.121, as amended on June 30, 2003 (see 68 Fed. Reg. 38611, Jun. 30, 2003). In order for the amendment document to be compliant, correction of the following item(s) is required. **Only the corrected section of the non-compliant amendment document must be resubmitted (in its entirety), e.g., the entire "Amendments to the claims" section of applicant's amendment document must be re-submitted.** 37 CFR 1.121(h).

THE FOLLOWING CHECKED (X) ITEM(S) CAUSE THE AMENDMENT DOCUMENT TO BE NON-COMPLIANT:

- ☐ 1. Amendments to the specification:
  - ☐ A. Amended paragraph(s) do not include markings.
  - ☐ B. New paragraph(s) should not be underlined.
  - ☒ C. Other The specification should be on a separate page from claims.
- ☐ 2. Abstract:
  - ☐ A. Not presented on a separate sheet. 37 CFR 1.72.
  - ☐ B. Other \_\_\_\_\_
- ☐ 3. Amendments to the drawings: \_\_\_\_\_
- ☐ 4. Amendments to the claims:
  - ☐ A. A complete listing of all of the claims is not present.
  - ☐ B. The listing of claims does not include the text of all claims (including withdrawn claims)
  - ☒ C. Each claim has not been provided with the proper status identifier, and as such, the individual status of each claim cannot be identified.
  - ☐ D. The claims of this amendment paper have not been presented in ascending numerical order.
  - ☒ E. Other: Claims 22 & 43 status identifiers should read currently amended

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For further explanation of the amendment format required by 37 CFR 1.121, see MPEP Sec. 714 and the USPTO website at <http://www.uspto.gov/web/offices/pac/dapp/opla/preognotice/officeflyer.pdf>.

If the non-compliant amendment is a **PRELIMINARY AMENDMENT**, applicant is given ONE MONTH from the mail date of this letter to supply the corrected section which complies with 37 CFR 1.121. Failure to comply with 37 CFR 1.121 will result in non-entry of the preliminary amendment and examination on the merits will commence without consideration of the proposed changes in the preliminary amendment(s). This notice is not an action under 35 U.S.C. 132, and this **ONE MONTH** time limit is **not extendable**.

If the non-compliant amendment is a reply to a **NON-FINAL OFFICE ACTION** (including a submission for an RCE), and since the amendment appears to be a *bona fide* attempt to be a reply (37 CFR 1.135(c)), applicant is given a **TIME PERIOD** of ONE MONTH from the mailing of this notice within which to re-submit the corrected section which complies with 37 CFR 1.121 in order to avoid abandonment. **EXTENSIONS OF THIS TIME PERIOD ARE AVAILABLE UNDER 37 CFR 1.136(a).**

If the amendment is a reply to a **FINAL REJECTION**, this form may be an attachment to an Advisory Action. The period for response to a final rejection continues to run from the date set in the final rejection, and is not affected by the non-compliant status of the amendment.

Legal Instruments Examiner (LIE)

Telephone No.



1745

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For : HEAT DISSIPATING IC DEVICES (CIP)

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November 7, 2003  
Art Unit 1745  
Examiner: Thomas H. Parsons

Mail Stop Non-Fee Amendment  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450


RESPONSE TO NOTICE OF NON-COMPLIANT AMENDMENT

In response to the Notice of Non-compliant Amendment, mailed October 14, 2003, enclosed is a revised amendment to comply with the voluntary revised practice guidelines. Claims 22 and 43 are listed as "currently amended" and the Specification section is now on a separate page from the Claims.

It is believed that the present application is in condition for allowance and notice thereof is solicited.

The Commissioner is authorized to charge any additional fees of deficiencies to Deposit Account No. 07-1900.

Respectfully submitted,  
JENSEN & PUNTIGAM, P.S.

By   
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Attorney for Applicant

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